Immunol. Cell Biol. (1989) **67**, 437–439

AUTHOR INDEX

Adams, J. H., *see* Monroy, F. G.

Agrez, M. V. A collagen matrix microassay for use in tumour-stromal cell co-cultures, 101

Andrew, M. E. Protective efficacy of a recombinant vaccinia virus in vaccinia-immune mice (Brief Comm.), 339

Andrew, M. E., Coupar, B. E. H. and Boyle, D. B. Humoral and cell-mediated immune responses to recombinant vaccinia viruses in mice, 331

Andrews, P., *see* Sewell, W. A.

Ashman, L. K., *see* Cole S. R.

Athanasas, S., *see* Rolfe, B.

Atkinson, H. M., *see* Lumb, R.

Attridge, S. R., *see* Dent, L. A.

Attridge, S. R., *see* Kotlarski, I.

Barclay, S., *see* Zola, H.

Barrington, P. J., *see* Carter, L.

Bartelmez, S. H., *see* Bertoncello, I.

Bartold, P. M., Harkin, D. G. and Bignold, L. P. Proteoglycans synthesized by human polymorphonuclear leucocytes *in vitro*, 9

Bates, E. J., *see* Kowanko, I. C.

Baxter, G. D., Kumar, S. and Lavin, M. F. T cell receptor gene rearrangement and expression in ataxia-telangiectasia B lymphoblastoid cells, 57

Bellett, A. J. D., *see* Müllbacher, A.

Bertoncello, I., Bartelmez, S. H., Bradley, T. R. and Hodgson, G. S. Changes in cell surface antigen expression during murine bone marrow cell regeneration *in vivo* and proliferation *in vitro*, 127

Beya, M-F., *see* McClure, S. J.

Bignold, L. P., *see* Bartold, P. M.

Bishop, C. J., *see* Misko, I. S.

Bisshop, F., *see* Pope, J. H.

Blanden, R. V. Letter to the Editor, 152

Blok, J., *see* Pope, J. H.

Boehm-Wilcox, C., *see* Reeve, V. E.

Both, G. W. Letter to the Editor, 152

Boyd, A. W., *see* Wawryk, S. O.

Boyle, D. B., *see* Andrew, M. E.

Bradley, J., *see* Zola, H.

Bradley, T. R., *see* Bertoncello, I.

Breen, F. N., *see* Sorrell, T. C.

Breit, S. N., *see* Hicks, C.

Brodskyn, C. I., Silva, A. M. M., Takehara, H. A. and Mota, I. IgG subclasses responsible for immune clearance in mice infected with *Trypanosoma cruzi*, 343

Burrows, S. R., *see* Misko, I. S.

Burton, R. C., Smart, C. Y., Thorn, R. and Winn, H. J. Studies on natural killer (NK) cells IV NK 3·1: A new NK cell specific alloantigen, 303

Burton, R. C., *see* Smart, Y. C.

Canfield, P. J., *see* Reeve, V. E.

Carter, L., Barrington, P. J. and Jackson, G. D. F. Antibody responses in the liver and bile of rats injected with horse erythrocytes, 135

Cavanagh, A., *see* Rolfe, B.

Charlton, B. and Mandel, T. E. Tolerance to aggregated human IgG but not ovalbumin can be induced by concurrent administration of depleting or non-depleting anti-L3T4 monoclonal antibodies, 1

Chua, S. E., *see* Koh, S. C. L.

Clifton, V. L., *see* Husband, A. J.

Cole, S. R., Kriek, G. W., Hope, R. M. and Ashman, L. K. Transfection of genes for human cell surface antigens identified by monoclonal antibodies, 377

Coupar, B. E. H., *see* Andrew, M. E.

Cummins, A. G., Munro, G. H., Miller, H. R. P. and Ferguson, A. Effect of cyclosporin A treatment on the enteropathy of graft-versus-host reaction in the rat: A quantitative study of intestinal morphology, epithelial cell kinetics and mucosal immune activity, 153

Daignault, L., *see* Travis, J. C.

Davies, R., *see* Lumb, R.

Deacon, N. J., *see* Gillespie, M. T.

Deacon, N. J., *see* Panaccio, M.

Deacon, N. J., *see* Purcell, D. F. J.

Denkins, Y. M. *see* Hume, D. A.

Dent, L. A., Spencer, L. K., Attridge, S. and Finlay-Jones, J. J. Differences in the phenotypes of cells mediating anti-tumour immunity at various stages of tumour progression in mice, 403

Didier, E. S., Fan, S., Wheeler, E. and Tompkins, W. A. Phosphorylation of cytoskeleton-associated proteins, pp58 and pp60, in tumouricidal murine peritoneal macrophages, 311

Dimmock, C. K., Ward, W. H. and Trueman, K. F. Lymphocyte subpopulations in sheep during the early stage of experimental infection with bovine leukaemia virus, 141

Dobson, C., *see* Monroy, F. G.

Doherty, K., *see* Kotlarski, I.

Dudler, L., *see* McClure, S. J.

Dunckley, H., *see* Jazwinska, E. C.

East, I. J., *see* Monroy, F. G.

Emery, D. L., *see* Young, D.

Esato, K., *see* Hamano, K.

Fan, S., *see* Didier, E. S.

Fenner, F. Letter to the Editor, 152

Ferguson, A., *see* Cummins, A. G.

Ferrante, A., *see* Kowanko, I. C.

Finlay-Jones, J. J., *see* Dent, L. A.

Fukumoto, T., *see* Hamano, K.

Furness, V., *see* Zola, H.

Gallagher, C. H., *see* Reeve, V. E.

Gatenby, P. A., *see* Jazwinska, E. C.

Gavioli, R., *see* Spisani, S.

Gillespie, M. T., Panaccio, M., McKenzie, I. F. C. and Deacon, N. J. Phylogeny and structure of the Ly-2 and Ly-3 (CD8) complex (Brief Comm.), 79

Gillespie, M. T., *see* Panaccio, M.

Giuliani, A. L., *see* Spisani, S.

Greenoak, G. E., *see* Reeve, V. E.

Hamano, K., Ohmi, M. Esato, K. and Fukumoto, T. Effect of donor specific transfusion (DST) is restricted to the rat combination used and closely related with alloantibody in heart transplantation, 297

Harkin, D. G., *see* Bartold, P. M.

Hein, W. R., *see* McClure, S. J.

Hein, W. R., *see* McClure, S. J.

Hicks, C., Breit, S. N. and Penny, R. Response of microvascular endothelial cells to biological response modifiers, 271

Hla, R. T., *see* Müllbacher, A.

Hodgson, G. S., *see* Bertoncello, I.
Hope, R. M., *see* Cole, S. R.
Hsu, L. H., *see* Smart, Y. C.
Hume, D. A. and Denkins, Y. M. Activation of macrophages to express cytocidal activity correlates with inhibition of their responsiveness to macrophage colony-stimulating factor (CSF-1): Involvement of a pertussis toxin-sensitive reaction, 243
Husband, A. J. and Clifton, V. L. Role of intestinal immunization in urinary tract defence, 371
Jackson, G. D. F., *see* Carter, L.
Jazwinska, E. C., Dunckley, H., Gatenby, P. A. and Serjeanston, S. W. Gm allogenotype distribution and lack of HLA-DR Gm interaction in SLE and CREST/PSS, 261
Kanellos, J., McKenzie, I. F. C. and Pietersz, G. A. Intratumour therapy of solid tumours with ricin–antibody conjugates, 89
Keast, D., Sheppard, N. and Nguyen, D. T. Adjuvant activity of respirable iron ore dust, 161
Kemp, R. J., *see* Pope, J. H.
Kette, F. E., *see* Zola, H.
Khanna, R., *see* Vinayak, V. K.
Koh, S. C. L., Yuen, R., Viegas, O. A. C., Chua, S. E., Ng, B. L., Sen, D. K. and Ratnam, S. S. A plasmin generation method for the determination of tissue plasminogen activator (t-PA) activity in blood, 197
Kos, F. J. Augmentation of recombinant interleukin-2-dependent murine macrophage-mediated tumour cytotoxicity by recombinant necrosis factor-α, 433
Kotlarski, I., Pope, M., Doherty, K. and Attridge, S. R. The *in vitro* proliferative response of lymphoid cells of mice infected with *Salmonella enteritidis* 11RX, 19
Kowanko, I. D., Bates, E. J. and Ferrante, A. Mechanisms of human neutrophil-mediated cartilage damage *in vitro*: The role of lysosomal enzymes, hydrogen peroxide and hypochlorous acid, 321
Kriek, G. W., *see* Cole, S. R.
Kulski, J. K., *see* Reeve, V. E.
Kum, K., *see* Vinayak, V. K.
Kumar, S., *see* Baxter, G. D.
Lafferty, K. J., *see* Nomikos, I. N.
Lanser, J. A., *see* Lumb, R.
Lavin, M. F., *see* Baxter, G. D.
Liu, Y. and Müllbacher, A. The generation and activation of memory class I MHC restricted cytotoxic T cell responses to influenza A virus *in vivo* do not require CD4+ T cells, 413
Lumb, R., Smith, P. S., Davies, R., O'Donoghue, P. J., Atkinson, H. M. and Lanser, J. A. Localization of a 23 000 MW antigen of *Cryptosporidium* by immunoelectron microscopy (Brief Comm.), 267
Lyons, J. G., *see* Whitelock, J. M.
Müllbacher, A., *see* Liu, Y.
Malejczyk, J., *see* Radomska, D. M.
Mandel, T. E., *see* Charlton B.
Mantzioris, B. X., *see* Zola, H.
Marbrook, J., *see* Skinner, M. A.
Mayrhofer, G. and Spargo, L. D. J. Subcellular distribution of class II major histocompatibility antigens in enterocytes of the human and rat small intestine, 251
McClure, S. J. and Hein, W. R. Functional characteristics of 197+CD4−CD8− sheep T lymphocytes: Expansion and differentiation of peripheral T cells, 223
McClure, S. J., Hein, W. R., Yamaguchi, K., Dudler, L., Beya, M-F. and Miyasaka, M. Ontogeny, morphology and tissue distribution of a unique subset of CD4−CD8− sheep T lymphocytes, 215
McKenzie, I. F. C., *see* Gillespie, M. T.
McKenzie, I. F. C., *see* Kanellos, J.
McKenzie, I. F. C., *see* Panaccio, M.
McKenzie, I. F. C., *see* Purcell, D. F. J.
McKenzie, I. F. C., *see* Xing, P-X.
McLaughlin, P. J., *see* Xing, P-X.
McRandle, B., *see* Pope, J. H.
Melo, J. V., *see* Zola, H.
Mendis, A. H. W., *see* Venaille, T. J.
Miller, H. R. P., *see* Cummins, A. G.
Misko, I. S., Burrows, S. R., Schmidt, C., Bishop, C. J., Ryan, J. M., Staples, J. A. and Moss, D. J. T lymphocytes in infectious mononucleosis: Effect of IL-2 on the outgrowth of Epstein-Barr virus-infected B cells, 49
Miyasaka, M., *see* McClure, S. J.
Moffatt, L., *see* Skinner, M. A.
Monroy, F. G., Adams, J. H., East, I. J. and Dobson, C. Excretory–secretory antigens from adult *Nematospiroides dubius*, 115
Morton, H., *see* Rolfe, B.
Moss, D. J., *see* Misko, I. S.
Mota, I., *see* Brodskyn, C. I.
Müllbacher, A., Bellett, A. J. D. and Hla, R. T. The murine cellular immune response to adenovirus type 5, 31
Müller, M., *see* Sorrell, T. C.
Munro, G. H., *see* Cummins, A. G.
Neoh, S. H., *see* Zola, H.
Ng, B. L., *see* Koh, S. C. L.
Nguyen, D. T., see Keast, D.
Nomikos, I. N. Involvement of O_2 radicals in 'autoimmune' diabetes (Brief Comm.), 85
O'Donoghue, P. J., *see* Lumb, R.
O'Grady, R. L., *see* Whitelock, J. M.
Ohmi, M., *see* Hamano, K.
Osiecka, A., *see* Radomska, D. M.
Panaccio, M., Gillespie, M. T., McKenzie, I. F. C. and Deacon, N. J. Murine Ly-3 restriction fragment length polymorphism and transcript size differences (Brief Comm.), 429
Panaccio, M., *see* Gillespie, M. T.
Papadimitriou, J. M., *see* Venaille, T. J.
Penny, R., *see* Hicks, C.
Pietersz, G. A., *see* Kanellos, J.
Pope, J. H., Bisshop, F., McRandle, B., Blok, J., Schmidt, C. W. and Kemp, R. J. The value of MLA 144 culture fluid for the isolation of human immunodeficiency virus (Brief Comm.), 147
Pope, M., *see* Kotlarski, I.
Purcell, D. F. J., Deacon, N. J. and McKenzie, I. F. C. The human non-lineage antigen CD46 (HuLy-m5) and primate retroviral gp70 molecules share protein-defined antigenic determinants, 279
Quinn, K., *see* Rolfe, B.
Radomska, D. M., Osiecka, A. and Malejczyk, J. Natural cell-mediated cytotoxicity against syngeneic rat chondrocytes originating from different types of cartilage, 209
Ratnam, S. S., *see* Koh, S. C. L.
Reed, K. C. Letter to the Editor, 152
Reeve, V. E., Greenoak, G. E., Canfield, P. J., Boehm-Wilcox, C., Tilbrook, P. A., Kulski, J. K. and Gallagher, C. H. Enhancement of UV-induced skin carcinogenesis in the hairless mouse by inoculation with cell-free extracts of skin tumours, 421
Robinson, B. W. S., *see* Venaille, T. J.
Rochester, C. P., *see* Sorrell, T. C.
Rolfe, B. G. Letter to the Editor, 152
Rolfe, B., Quinn, K., Athanasas, S., Cavanagh, A. and Morton, H. Genetically-restricted effector molecules released by human lymphocytes in response to early pregnancy factor (Brief Comm.), 205
Ryan, J. M., *see* Misko, I. S.

Salvaris, E., *see* Wawryk, S. O.
Sandrin, M. S., *see* Wawryk, S. O.
Schmidt, C. W., *see* Pope, J. H.
Schmidt, C. W., *see* Misko, I. S.
Sen, D. K., *see* Koh, S. C. L.
Serjeanston, S. W., *see* Jazwinska, E. C.
Sewell, W. A. and Andrews, P. Inhibition of lymphocyte circulation in mice by pertussis toxin, 291
Sheppard, N., see Keast, D.
Silva, A. M. M., *see* Brodskyn, C. I.
Skinner, M. A., Moffatt, L. and Marbrook, J. Development of thymocytes in organ culture: Migrant cells with natural killer cell characteristics, 107
Smart, C. Y., *see* Burton, R. C.
Smart, Y. C., Stevenson, K. L., Thorne, R. F., Thomas, W. D., Hsu, L. H. and Burton, R. C. Expression of natural killer (NK) cell-specific alloantigens on a mouse NK-like cell line, 239
Smith, M., *see* Zola, H.
Smith, P. S., *see* Lumb, R.
Sorrell, T. C., Rochester, C. P., Breen, F. N. and Müller, M. Eicosanoids produced during interactions between *Pseudomonas aeruginosa* and alveolar macrophages are species-dependent, 169
Spargo, L. D. J., *see* Mayrhofer, G.
Spencer, L. K., *see* Dent, L. A.
Spisani, S., Gavioli, R., Giuliani, A. L. and Traniello, S. Triggering of neutrophil cytotoxicity against an antibody-coated tumour target by TPA, 385
Stacker, S. A., *see* Xing, P-X.
Staples, J. A., *see* Misko, I. S.
Steele, E. J. Letter to the Editor, 151
Stevenson, K. L., *see* Smart, Y. C.
Stewart, D. J., *see* Young, D.
Takehara, H. A., *see* Brodskyn, C. I.
Teh, J. G., *see* Xing, P-X.
Thean, E. T. and Toh, M-H. Production and characterization of murine monoclonal antibody to human α-lactalbumin, 41
Thomas, W. D., *see* Smart, Y. C.
Thompson, C. H., *see* Xing, P-X.
Thorn, R., *see* Burton, R. C.
Thorne, R. F., *see* Smart, Y. C.
Thornton, S., *see* Travis, J. C.
Tilbrook, P. A., *see* Reeve, V. E.
Tjandra, J. J., *see* Xing, P-X.
Toh, M-H., *see* Thean, E. T.
Tompkins, W. A., *see* Didier, E. S.
Traniello, S., *see* Spisani, S.
Travis, J. C., Thornton, S. and Daignault, L. Effect of Santoquin on humoral immune function in mice: Lack of interference with selenium utilization (Brief Comm.), 83
Trueman, K. F., *see* Dimmock, C. K.
Venaille, T. J., Mendis, A. H. W., Warton, A., Walker, L., Papadimitriou, J. M. and Robinson, B. W. S. Study of human epithelial cell detachment and damage: Development of a model, 359
Viegas, O. A. C., *see* Koh, S. C. L.
Vinayak, V. K., Khanna, R. and Kum, K. Sequential changes of lamina propria immunogloblin-containing cells in immune intact and immunosuppressed mice infected with *Giardia lamblia*, 177
Walker, L., *see* Venaille, T. J.
Wang, Y., *see* Nomikos, I. N.
Ward, W. H., *see* Dimmock, C. K.
Warren, H. S. Resting (IL-2 non-responsive) precursors of human T cell receptor γδ-positive cells (TCR1 cells) are activated by a two signal process, 121
Warton, A., *see* Venaille, T. J.
Wawryk, S. O., Salvaris, E., Sandrin, M. S. and Boyd, A. W. Functional studies of stable L cell transfectants expressing intercellular adhesion molecule 1 [ICAM-1], 391
Webster, J., *see* Zola, H.
Wheeler, E., *see* Didier, E. S.
Whitelock, J. M., O'Grady, R. L. and Lyons, J. G. Immunolocalization of collagenase in neoplastic epithelial cells, 349
Winn, H. J., *see* Burton, R. C.
Xing, P-X., Tjandra, J. J., Stacker, S. A., Teh, J. G., Thompson, C. H., McLaughlin, P. J. and McKenzie, I. F. C. Monoclonal antibodies reactive with mucin expressed in breast cancer, 183
Yamaguchi, K., *see* McClure, S. J.
Young, D., Emery, D. L. and Stewart, D. J. Monoclonal antibodies defining immunogenic regions of pili from *Bacteroides nodosus* strains 198 (A1), 265 (H1) and 336 (F1), 71
Yuen, R., *see* Koh, S. C. L.
Zola, H., Furness, V., Barclay, S., Zowtyj, H., Smith, M., Melo, J. V., Neoh, S. H. and Bradley, J. The p24 leucocyte membrane antigen: Modulation associated with lymphocyte activation and differentiation, 63
Zola, H., Mantzioris, B. X., Webster, J. and Kette, F. E. Circulating human T and B lymphocytes express the p55 interleukin-2 receptor molecule (TAC, CD25), 233
Zowtyj, H., *see* Zola, H.

Immunol. Cell Biol. (1989) **67**, 440–444

SUBJECT INDEX

Activation of resting precursors of T cell receptor TCR1 cells: a two signal process (Warren) 121

Adenovirus type 5: murine cellular immune response to (Müllbacher, Bellett and Hla) 31

Adjuvant activity of respirable iron ore dust (Keast, Sheppard and Nguyen) 161

Alloantigen NK-3·1: characterization of (Burton, Smart, Thorn and Winn) 303

Alloantigens, NK cell-specific: expressed on mouse NK-like cell line (Smart, Stevenson, Thorne, Thomas, Hsu and Burton) 239

Antibodies: sequential changes in *Giardia lamblia*-infected mice (Vinayak, Khanna and Kum) 177

Antibody responses in liver and bile of rats injected with horse RBC (Carter, Barrington and Jackson) 135

Antibody responses to respirable iron ore dust (Keast, Sheppard and Nguyen) 161

Antigen modulation during murine bone marrow cell regeneration *in vivo* and proliferation *in vitro* (Bertoncello, Bartelmez, Bradley and Hodgson) 127

Antigen, 23 000 MW: localization of in *Cryptosporidium* (Lumb, Smith, Davies, O'Donoghue, Atkinson and Lanser) 267

Antigen, CD46: shares antigenic determinants with primate retroviral gp70 molecules (Purcell, Deacon and McKenzie) 279

Antigen, excretory-secretory: from *Nematospiroides dubius* (Monroy, Adams, East and Dobson) 115

Antigen, p24 leucocyte membrane: modulation associated with lymphocyte activation and differentiation (Zola, Furness, Barclay, Zowtyj, Smith, Melo, Neoh and Bradley) 63

Antigen-presenting cells: subcellular distribution of class II MHC antigens in enterocytes (Mayrhofer and Spargo) 251

Antigenic determinants, protein-defined: shared by human non-lineage antigen CD46 and primate retroviral gp70 molecules (Purcell, Deacon and McKenzie) 279

Ataxia-telangiectasia B lymphoblastoid cells: T cell receptor gene rearrangement and expression in (Baxter, Kumar and Lavin) 57

Autoimmune connective tissue diseases: Gm and HLA-DR association in (Jaszwinska, Dunckley, Gatenby and Serjeantson) 261

B cells: increased numbers in bovine leukaemia virus-infected sheep (Dimmock, Ward and Trueman) 141

B lymphoblastoid cells from ataxia-telangiectasia patients: T cell receptor gene rearrangement and expression in (Baxter, Kumar and Lavin) 57

Bacteroides nodosus strains 198 (A1), 265 (H1) and 336 (F1): MoAbs defining immunogenic regions of pili from (Young, Emery and Stewart) 71

Basement membrane: model of epithelial cell detachment from (Venaille, Mendis, Warton, Walker, Papadimitriou and Robinson) 359

Bile: antibody responses in rats immunized with horse RBC (Carter, Barrington and Jackson) 135

Biological response modifiers: effect on microvascular endothelial cells (Hicks, Breit and Penny) 271

Bone marrow cell regeneration *in vivo* and proliferation *in vitro*: changes in cell surface antigen expression during (Bertoncello, Bartelmez, Bradley and Hodgson) 127

Bordetella pertussis toxin: inhibits lymphocyte circulation in mice (Sewell and Andrews) 291

Bovine leukaemia virus-infected sheep: lymphocyte subpopulations in (Dimmock, Ward and Trueman) 141

Breast cancer: antibodies reactive with mucin in (Xing, Tjandra, Stacker, Teh, Thompson, McLaughlin and McKenzie) 183

Breast-specific differentiation marker: production and characterization of murine MoAb to human α-lactalbumin (Thean and Toh) 41

Cancer treatment: intratumour therapy with ricin-antibody conjugates (Kanellos, McKenzie and Pietersz) 89

Cancer, breast: MoAbs reactive with breast mucin (Xing, Tjandra, Stacker, Teh, Thompson, McLaughlin and McKenzie) 183

Capillary endothelium: response to biological response modifiers (Hicks, Breit and Penny) 271

Carcinogenesis, UV-induced skin: tumour extracts to enhance (Reeve, Greenoak, Canfield, Boehm-Wilcox, Tilbrook, Kulski and Gallagher) 421

Cartilage: natural cell-mediated cytotoxicity against chrondrocytes from types of (Radomska, Osiecka and Malejczyk) 209

Cartilage damage, neutrophil-mediated: mechanisms of (Kowanko, Bates and Ferrante) 321

$CD4^-CD8^-$ 197^+ T cells: functional characteristics of (McClure and Hein) 223

$CD4^-CD8^-$ 197^+ T cells: ontogeny, morphology and tissue distribution of (McClure, Hein, Yamaguchi, Dudler, Beya and Miyasaka) 215

CD46 antigen shares antigenic determinants with primate retroviral gp70 molecules (Purcell, Deacon and McKenzie) 279

CD8 complex, phylogeny and structure of (Gillespie, Panaccio, McKenzie and Deacon) 79

Cell detachment (Venaille, Mendis, Warton, Walker, Papadimitriou and Robinson) 359

Cell membrane protein p24: modulation associated with lymphocyte activation and differentiation (Zola, Furness, Barclay, Zowtyj, Smith, Melo, Neoh and Bradley) 63

Cell-mediated and humoral immune responses to recombinant vaccinia viruses in mice (Andrew, Coupar and Boyle) 331

Cell-mediated immune response in mice to adenovirus type 5 (Müllbacher, Bellett and Hla) 31

Chondrocytes: natural cell-mediated cytotoxicity against (Radomska, Osiecka and Malejczyk) 209

Chromosome rearrangement and gene expression in ataxia-telangiectasia B lymphoblastoid cells (Baxter, Kumar and Lavin) 57

Class I MHC restricted memory cytotoxic T cells to influenza A virus: generation and activation of (Liu and Müllbacher) 413

Class II MHC antigens: subcellular distribution in human and rat enterocytes (Mayrhofer and Spargo) 251

Collagen matrix microassay for tumour–stromal cell co-cultures (Agrez) 101
Collagenase: immunolocalization of in neoplastic epithelium (Whitelock, O'Grady and Lyons) 349
Colony-stimulating factor-1: macrophage responsiveness to (Hume and Denkins) 243
CREST/PSS patients: Gm allogenotype distribution and Gm/HLA-DR association in (Jaszwinska, Dunckley, Gatenby and Serjeantson) 261
Cryptosporidium: localization of a 23 000 MW antigen of (Lumb, Smith, Davies, O'Donoghue, Atkinson and Lanser) 267
Culture fluid MLA 144: value of for isolation of human immunodeficiency virus (Pope, Bisshop, McRandle, Blok, Schmidt and Kemp) 147
Culture of tumour and stromal cells: a collagen matrix microassay for use in (Agrez) 101
Cyclosporin A: effect on enteropathy of mucosal graft-versus-host reaction in rat (Cummins, Munro, Miller and Ferguson) 153
Cytocidal activity of macrophages: correlation with inhibition of responsiveness to CSF-1 (Hume and Denkins) 243
Cytotoxic activity: of migrant cells from organ culture (Skinner, Moffatt and Marbrook) 107
Cytotoxic neutrophils against antibody-coated tumour target: triggered by TPA (Spisani, Gavioli, Giuliani and Traniello) 385
Cytotoxic T cell responses to influenza A viruses: generation and activation of (Liu and Müllbacher) 413
Cytotoxicity, natural cell-mediated: against syngeneic rat chondrocytes (Radomska, Osiecka and Malejczyk) 209
Cytotoxicity, tumour: synergism between IL-2 and TNF-α (Kos) 433
Directional gene mutation phenomena (Letters to the Editor) 151
Donor-specific transfusion: dependent on rat combination and alloantibody used in heart transplantation model (Hamano, Ohmi, Esato and Fukumoto) 297
Early pregnancy factor: induces genetically restricted effector molecules (Rolfe, Quinn, Athanasas, Cavanagh and Morton) 205
Effector molecules, genetically restricted: induction by early pregnancy factor (Rolfe, Quinn, Athanasas, Cavanagh and Morton) 205
Eicosanoid production during *Pseudomonas aeruginosa* and alveolar macrophage interactions (Sorrell, Rochester, Breen and Müller) 169
Endothelial cell growth: effect of biological response modifiers on (Hicks, Breit and Penny) 271
Enterocytes: subcellular distribution of class II MHC antigens in (Mayrhofer and Spargo) 251
Epithelial cell detachment and damage: development of a model (Venaille, Mendis, Warton, Walker, Papadimitriou and Robinson) 359
Epithelial cells, neoplastic: immunolocalization of collagenase in (Whitelock, O'Grady and Lyons) 349
Epithelium kinetics: in graft-versus-host reaction after cyclosporin A treatment (Cummins, Munro, Miller and Ferguson) 153
Epitope, protein-defined: shared by human non-lineage antigen CD46 and primate retroviral gp70 molecules (Purcell, Deacon and McKenzie) 279
Epitopes on pilus proteins from *Bacteroides nodosus* strains: identification of (Young, Emery and Stewart) 71
Epstein Barr virus-infected T cells: effect of IL-2 addition (Misko, Burrows, Schmidt, Bishop, Ryan, Staples and Moss) 49
Fibrin as stimulator of plasminogen activation: functional assay for (Koh, Yuen, Viegas, Chua, Ng, Sen and Ratnam) 197
Gene rearrangement and expression of T cell receptor gene in ataxia-telangiectasia B lymphoblastoid cells (Baxter, Kumar and Lavin) 57
Gene transfection, human cell surface antigens: identified by MoAbs (Cole, Kriek, Hope and Ashman) 377
Genetic markers: Gm and HLA-DR in SLE and CREST/PSS patients (Jaszwinska, Dunckley, Gatenby and Serjeantson) 261
Genetically restricted effector molecules: induction by early pregnancy factor (Rolfe, Quinn, Athanasas, Cavanagh and Morton) 205
Giardia lamblia-infected mice: sequential changes in laminia propria Ig-containing cells (Vinayak, Khanna and Kum) 177
Glycoproteins Ly-2/Ly-3 (CD8): phylogeny and structure of (Gillespie, Panaccio, McKenzie and Deacon) 79
Glycoproteins, mucin: MoAbs reactive to (Xing, Tjandra, Stacker, Teh, Thompson, McLaughlin and McKenzie) 183
Gm and HLA-DR association in SLE and CREST/PSS patients (Jaszwinska, Dunckley, Gatenby and Serjeantson) 261
Graft survival: dependent on rat combination and alloantibody used in heart transplantation model (Hamano, Ohmi, Esato and Fukumoto) 297
Graft-versus-host reaction, mucosal: effect of cyclosporin A treatment (Cummins, Munro, Miller and Ferguson) 153
HLA-DR and Gm association in SLE and CREST/PSS patients (Jaszwinska, Dunckley, Gatenby and Serjeantson) 261
Human capillary endothelial cell growth: response to biological response modifiers (Hicks, Breit and Penny) 271
Human immunodeficiency virus: value of MLA 144 culture fluid in isolation of (Pope, Bisshop, McRandle, Blok, Schmidt and Kemp) 147
Humoral and cell-mediated immune responses to recombinant vaccinia viruses in mice (Andrew, Coupar and Boyle) 331
Humoral immunity, effect of Santoquin on (Travis, Thornton and Daignault) 83
Humoral immunity: IgG subclasses responsible for clearance of *Trypanosoma cruzi*-infected mice (Brodskyn, Silva, Takehara and Mota) 343
Hydrogen peroxide: role in neutrophil-mediated cartilage damage *in vitro* (Kowanko, Bates and Ferrante) 321
Hypochlorous acid: role in neutrophil-mediated cartilage damage *in vitro* (Kowanko, Bates and Ferrante) 321
IgG subclasses: role in immune clearance in *Trypanosoma cruzi*-infected mice (Brodskyn, Silva, Takehara and Mota) 343
IgG, tolerance to: induced by depleting or non-depleting anti-L3T4 administration (Charlton and Mandel) 1
Immune response, cellular: to adenovirus type 5 (Müllbacher, Bellett and Hla) 31
Immune responses to recombinant vaccinia viruses in mice (Andrew, Coupar and Boyle) 331
Immunity, anti-tumour: phenotypic differences in immune cells (Dent, Spencer, Attridge and Finlay-Jones) 403
Immunization with horse RBC: antibody responses in the liver and bile (Carter, Barrington and Jackson) 135
Immunization, intestinal: role in urinary tract defence (Husband and Clifton) 371
Immunomodulatory factors: excretory–secretory factors from *Nematospiroides dubius* (Monroy, Adams, East and Dobson) 115
Immunomodulatory properties of respirable iron ore dust

(Keast, Sheppard and Nguyen) 161
Infectious mononucleosis, role of T cells in: effect of IL-2 on outgrowth of EBV-infected cells (Misko, Burrows, Schmidt, Bishop, Ryan, Staples and Moss) 49
Inflammatory disease: response of microvascular endothelial cells to biological response modifiers in (Hicks, Breit and Penny) 271
Inflammatory mediators: role of *Pseudomonas aeruginosa* binding to alveolar macrophages (Sorrell, Rochester, Breen and Müller) 169
Influenza A virus: generation and activation of memory class I cytotoxic T cell responses to (Liu and Müllbacher) 413
Intercellular adhesion molecule 1: functional studies of stable L cell transfectants expressing (Wawryk, Salvaris, Sandrin and Boyd) 391
Interleukin-2-dependent, macrophage-mediated tumour cytotoxicity: augmented by recombinant TNF-α (Kos) 433
Interleukin-2 receptor molecule: expressed by circulating human T and B cells (Zola, Mantzioris, Webster and Kette) 233
Intestinal immunization: role in urinary tract defence (Husband and Clifton) 371
Intestinal morphology: in graft-versus-host reaction after cyclosporin A treatment (Cummins, Munro, Miller and Ferguson) 153
Iron ore dust, respirable: adjuvant activity of (Keast, Sheppard and Nguyen) 161
Isolation methods for human immunodeficiency virus: value of MLA 144 culture fluid (Pope, Bisshop, McRandle, Blok, Schmidt and Kemp) 147
α-Lactalbumin, human: production and characterization of murine MoAb to (Thean and Toh) 41
L cell transfectants expressing intercellular adhesion molecule 1: functional studies of (Wawryk, Salvaris, Sandrin and Boyd) 391
Lamina propria Ig-containing cells: sequential changes in *Giardia lamblia*-infected mice (Vinayak, Khanna and Kum) 177
Leucocyte membrane antigen p24: modulation associated with lymphocyte activation and differentiation (Zola, Furness, Barclay, Zowtyj, Smith, Melo, Neoh and Bradley) 63
Leucocytes, human polymorphonuclear: *in vitro* synthesis of proteoglycans (Bartold, Harkin and Bignold) 9
Liver: antibody responses in rats immunized with horse RBC (Carter, Barrington and Jackson) 135
Ly-3 RFLP polymorphism and transcript size differences (Panaccio, Gillespie, McKenzie and Deacon) 429
Lymphocyte activation and differentiation: modulation associated with p24 leucocyte membrane antigen (Zola, Furness, Barclay, Zowtyj, Smith, Melo, Neoh and Bradley) 63
Lymphocyte circulation in mice: inhibition by pertussis toxin (Sewell and Andrews) 291
Lymphocyte subpopulations in sheep infected with bovine leukaemia virus (Dimmock, Ward and Trueman) 141
Lymphocytes: induction of effector molecules by early pregnancy factor (Rolfe, Quinn, Athanasas, Cavanagh and Morton) 205
Lymphoid cells of *Salmonella enteritidis* 11RX-infected mice: *in vitro* proliferative response of (Kotlarski, Pope, Doherty and Attridge) 19
Lysosomal enzymes: role in neutrophil-mediated cartilage damage *in vitro* (Kowanko, Bates and Ferrante) 321
Macrophage activation: phosphorylation of vimentin-like pp58 and pp60 (Didier, Fan, Wheeler and Tompkins) 311
Macrophage proliferative response to CSF-1 and cytocidal activity: involvement of a pertussis toxin-sensitive reaction (Hume and Denkins) 243
Major histocompatibility complex class II antigens: subcellular distribution in enterocytes (Mayrhofer and Spargo) 251
Membrane protein p24: modulation associated with lymphocyte activation and differentiation (Zola, Furness, Barclay, Zowtyj, Smith, Melo, Neoh and Bradley) 63
Microvascular endothelial cells: response to biological response modifiers (Hicks, Breit and Penny) 271
Monoclonal antibodies, anti-L3T4: induce antigen-specific tolerance to aggregated human IgG but not ovalbumin (Charlton and Mandel) 1
Monoclonal antibodies defining pili regions from *Bacteroides nodosus* strains (Young, Emery and Stewart) 71
Monoclonal antibodies: intratumour therapy with ricin-antibody conjugates (Kanellos, McKenzie and Pietersz) 89
Monoclonal antibodies, mucin-reactive: expressed in breast cancer (Xing, Tjandra, Stacker, Teh, Thompson, McLaughlin and McKenzie) 183
Monoclonal antibodies: to identify transfection of human cell surface antigen genes (Cole, Kriek, Hope and Ashman) 377
Monoclonal antibody to human α-lactalbumin, murine: production and characterization of (Thean and Toh) 41
Mucin expressed in breast cancer: MoAbs reactive to (Xing, Tjandra, Stacker, Teh, Thompson, McLaughlin and McKenzie) 183
Mucosal graft-versus-host reaction: effect of cyclosporin A treatment (Cummins, Munro, Miller and Ferguson) 153
Mucosal urinary tract immune system: role of intestinal immunization (Husband and Clifton) 371
Murine cellular immune response to adenovirus type 5 (Müllbacher, Bellett and Hla) 31
Murine MoAb to human α-lactalbumin: production and characterization of (Thean and Toh) 41
Natural cell-mediated cytotoxicity against syngeneic rat chondrocytes (Radomska, Osiecka and Malejczyk) 209
Natural killer cell alloantigen NK-3.1: characterization of (Burton, Smart, Thorn and Winn) 303
Natural killer cell-specific alloantigens: expressed by mouse NK-like cell line (Smart, Stevenson, Thorne, Thomas, Hsu and Burton) 239
Natural killer cells from resting precursors of TCR1 cells: activated by a two signal process (Warren) 121
Natural killer-like migrant cells in organ culture (Skinner, Moffatt and Marbrook) 107
Nematospiroides dubius cultured *in vitro*: excretory-secretory antigens from (Monroy, Adams, East and Dobson) 115
Neoplastic epithelial cells: immunolocalization of collagenase in (Whitelock, O'Grady and Lyons) 349
Neutrophil cytotoxicity against antibody-coated tumour target triggered by TPA (Spisani, Gavioli, Giuliani and Traniello) 385
Neutrophil-mediated cartilage damage *in vitro*: mechanisms of (Kowanko, Bates and Ferrante) 321
p24, cell membrane: modulation associated with lymphocyte activation and differentiation (Zola, Furness, Barclay, Zowtyj, Smith, Melo, Neoh and Bradley) 63
p55 IL-2 receptor molecule: expressed by human T and B cells (Zola, Mantzioris, Webster and Kette) 233
pp58 and pp60, phosphorylation of: role in tumouricidal murine peritoneal macrophages (Didier, Fan, Wheeler and Tompkins) 311

Parasite antigen, 23 000 MW: localization of in *Cryptosporidium* (Lumb, Smith, Davies, O'Donoghue, Atkinson and Lanser) 267
Pertussis toxin: involvement in CSF-1 induced proliferation and cytocidal activity of macrophages (Hume and Denkins) 243
Phenotypic differences in cells modulating anti-tumour immunity (Dent, Spencer, Attridge and Finlay-Jones) 403
Phosphorylation of cytoskeleton-associated proteins pp58 and pp60 in tumouricidal murine peritoneal macrophages (Didier, Fan, Wheeler and Tompkins) 311
Phylogeny and structure of Ly-2 and Ly-3 (CD8) complex (Gillespie, Panaccio, McKenzie and Deacon) 79
Pili from *Bacteroides nodosus* strains: MoAbs defining immunogenic regions of (Young, Emery and Stewart) 71
Plasmin generation method for determination of tissue plaminogen activator in blood (Koh, Yuen, Viegas, Chua, Ng, Sen and Ratnam) 197
Pneumonia: bacterial, species-dependent nature of eicosanoid profile in (Sorrell, Rochester, Breen and Müller) 169
Polymorphism, Ly-3 RFLP: and transcript size differences (Panaccio, Gillespie, McKenzie and Deacon) 429
Polymorphonuclear leucocytes, human: *in vitro* synthesis of proteoglycans (Bartold, Harkin and Bignold) 9
Proliferative interactions between biological response modifiers and human capillary endothelial cells (Hicks, Breit and Penny) 271
Proliferative response, *in vitro*: of murine lymphoid cells infected with *Salmonella enteritidis* 11RX (Kotlarski, Pope, Doherty and Attridge) 19
Proteoglycans: synthesized by human polymorphonuclear leucocytes *in vitro* (Bartold, Harkin and Bignold) 9
Pseudomonas aeruginosa interactions with alveolar macrophages: eicosanoids produced are species-dependent (Sorrell, Rochester, Breen and Müller) 169
Retroviral gp70 molecules, primate: share antigenic determinants with human non-lineage antigen CD46 (Purcell, Deacon and McKenzie) 279
Reverse Transcriptase Model (Letters to the Editor) 151
Ricin–antibody conjugate therapy of solid tumours (Kanellos, McKenzie and Pietersz) 89
Salmonella enteritidis 11RX-infected mice: *in vitro* proliferative response of lymphoid cells to (Kotlarski, Pope, Doherty and Attridge) 19
Santoquin: effect on humoral immunity (Travis, Thornton and Daignault) 83
Selenium utilization and lack of interference by Santoquin administration: effect on humoral immunity (Travis, Thornton and Daignault) 83
Soluble factors from *Nematospiroides dubius*: excretory–secretory antigens (Monroy, Adams, East and Dobson) 115
Structure and phylogeny of Ly-2 and Ly-3 (CD8) complex (Gillespie, Panaccio, McKenzie and Deacon) 79
Surface antigen CD46 shares antigenic determinants with primate retroviral gp70 molecules (Purcell, Deacon and McKenzie) 279
Surface antigen expression during marrow regeneration (Bertoncello, Bartelmez, Bradley and Hodgson) 127
Surface antigens, human cell: identification of gene transfection (Cole, Kriek, Hope and Ashman) 377
Synergism between IL-2 and TNF-α for mediated tumour cytotoxicity (Kos) 433
Systemic lupus erythematosus: Gm allogenotype distribution in (Jaszwinska, Dunckley, Gatenby and Serjeantson) 261
T and B cells: expression of p55 IL-2 receptor molecule (Zola, Mantzioris, Webster and Kette) 233
T cell activation: a two signal process (Warren) 121
T cell function in infectious mononucleosis: effect of IL-2 on outgrowth of EBV-infected cells (Misko, Burrows, Schmidt, Bishop, Ryan, Staples and Moss) 49
T cell receptor gene rearrangement and expression in ataxia-telangiectasia B lymphoblastoid cells (Baxter, Kumar and Lavin) 57
T cells, cytotoxic, to influenza A virus: generation and activation of (Liu and Müllbacher) 413
T cells: proliferative response to *Salmonella enteritidus* 11RX infected mice (Kotlarski, Pope, Doherty and Attridge) 19
T cells, sheep: functional characteristics of 197^+ subset of (McClure and Hein) 223
T cells, sheep: ontogeny, morphology and tissue distribution of $CD4^-CD8^-$ subset (McClure, Hein, Yamaguchi, Dudler, Beya and Miyasaka) 215
Therapeutic agents: cancer treatment with ricin–antibody conjugates (Kanellos, McKenzie and Pietersz) 89
Thymic differentiation: migrant cells with NK-like characteristics (Skinner, Moffatt and Marbrook) 107
Thymocyte development in organ culture: migrant cell with NK cell characteristics (Skinner, Moffatt and Marbrook) 107
Tissue plasminogen activator: functional assay for (Koh, Yuen, Viegas, Chua, Ng, Sen and Ratnam) 197
Tolerance induction, antigen-specific: by concurrent administration of depleting or non-depleting anti-L3T4 (Charlton and Mandel) 1
Toxin, pertussis: inhibits lymphocyte circulation in mice (Sewell and Andrews) 291
Toxin, pertussis: regulatory role in macrophage proliferation and cytocidal activity (Hume and Denkins) 243
Toxin, ricin: conjugated with MoAb for cancer treatment (Kanellos, McKenzie and Pietersz) 89
Transcript size differences and RFLP polymorphism of murine Ly-3 (Panaccio, Gillespie, McKenzie and Deacon) 429
Transfection of human cell surface antigen genes: identification by MoAbs (Cole, Kriek, Hope and Ashman) 377
Transplantation, rat heart: donor-specific transfusion dependent on rat combination and alloantibody used (Hamano, Ohmi, Esato and Fukumoto) 297
Trypanosoma cruzi-infected mice: role of IgG subclasses in immune clearance in (Brodskyn, Silva, Takehara and Mota) 343
Tumour cytotoxicity: synergism between IL-2 and TNF-α (Kos) 433
Tumour epithelial cells: immunolocalization of collagenase in (Whitelock, O'Grady and Lyons) 349
Tumour extracts: to enhance UV-induced skin carcinogenesis (Reeve, Greenoak, Canfield, Boehm-Wilcox, Tilbrook, Kulski and Gallagher) 421
Tumour-host cell interactions: collagen matrix microassay for study of (Agrez) 101
Tumour rejection: phenotypic differences in immune cells (Dent, Spencer, Attridge and Finlay-Jones) 403
Tumour target, MoAb coated: neutrophil cytotoxicity against triggered by TPA (Spisani, Gavioli, Giuliani and Traniello) 385
Tumour therapy with ricin–antibody conjugates (Kanellos, McKenzie and Pietersz) 89
Tumouricidal activity: of phosphorylated cytoskeleton-associated proteins pp58 and pp60 (Didier, Fan, Wheeler and Tompkins) 311
UV-induced skin carcinogenesis by inoculation with tumour extracts (Reeve, Greenoak, Canfield, Boehm-

Wilcox, Tilbrook, Kulski and Gallagher) 421
Urinary tract defence: role of intestinal immunization in (Husband and Clifton) 371
Tumour-host cell interactions: collagen matrix microassay for study of (Agrez) 101
Vaccinia virus, recombinant: immune responses to (Andrew, Coupar and Boyle) 331
Vaccinia virus, recombinant: protective efficacy in vaccinia-immune mice (Andrew) 339
Vimentin-like pp58 and pp60, phosphorylation of: role in tumouricidal murine peritoneal macrophages (Didier, Fan, Wheeler and Tompkins) 311
Viral vector, vaccinia: immune responses to (Andrew, Coupar and Boyle) 331
Viral vectors, recombinant vaccinia: protective efficacy in vaccinia-immune mice (Andrew) 339
Virus, vaccinia: immune responses to (Andrew, Coupar and Boyle) 331
Virus, vaccinia: protective efficacy of in vaccinia immune mice (Andrew) 339
197+ sheep T cells: functional characteristics of (McClure and Hein) 223
197+ sheep T cells: ontogeny, morphology and tissue distribution of (McClure, Hein, Yamaguchi, Dudler, Beya and Miyasaka) 215